

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
9 October 2003 (09.10.2003)

PCT

(10) International Publication Number
WO 03/082811 A1(51) International Patent Classification?: C07C 303/08,
303/28

(21) International Application Number: PCT/KR03/00633

(22) International Filing Date: 28 March 2003 (28.03.2003)

(25) Filing Language: Korean

(26) Publication Language: English

(30) Priority Data:
10-2002-0017393 29 March 2002 (29.03.2002) KR
10-2002-0017417 29 March 2002 (29.03.2002) KR
10-2002-0082938
23 December 2002 (23.12.2002) KR(71) Applicant (for all designated States except US): LG
HOUSEHOLD & HEALTH CARE LTD. [KR/KR];
LG Twin Tower, Yoido-dong 20, Youngdungpo-ku, Seoul
150-721 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): GOO, Je-Kwon
[KR/KR]; 105-403 Sejong apt., Jeonmin-dong,
Yuseong-gu, Daejeon-city 305-390 (KR). CHOI,
Soo-Gyu [KR/KR]; 103-1201 Sejong apt., Jeonmin-dong,
Yuseong-gu, Daejeon-city 305-390 (KR). HONG,
Kyeong-Woo [KR/KR]; 105-403 Sejong apt., 462-5
Jeonmin-dong, Yuseong-gu, Daejeon-city 305-390 (KR).
OH, Joo-Young [KR/KR]; 909-2002 Yeolmaemaoul
apt., Noeun-dong, Yuseong-gu, Daejeon-city 305-325
(KR). RANG, Moon-Jeong [KR/KR]; 108-606 Sejong
apt., Jeonmin-dong, Yuseong-gu, Daejeon-city 305-390(KR). YOON, Yeo-Kyung [KR/KR]; 103-604 Cheonggu
apt., Jeonmin-dong, Yuseong-gu, Daejeon-city 305-729
(KR). KIM, Tae-Sung [KR/KR]; 203-603 Expo apt.,
Jeonmin-dong, Yuseong-gu, Daejeon-city 305-761 (KR).
CHOI, Jung-Jin [KR/KR]; 101-1503 Chowon apt.,
Mannyeon-dong, Seo-gu, Daejeon-city 302-740 (KR).(74) Agent: YOU ME PATENT & LAW FIRM; Teheran
Bldg., 825-33, Yoksam-dong, Kangnam-ku, Seoul 135-080
(KR).(81) Designated States (national): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK,
LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX,
MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE,
SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ,
VC, VN, YU, ZA, ZM, ZW.(84) Designated States (regional): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MANUFACTURING METHOD OF MONOGLYCERIDE SULFONATE, TOILET SOAP COMPOSITION USING THE SAME, AND MANUFACTURING METHOD OF TOILET SOAP COMPOSITION COMPRISING SALT

(57) Abstract: The present invention relates to a method for preparing monoglyceride sulfonate that is useful for a cleansing agent for a human body, economically in a large amount, from an inexpensive fatty acid using a convenient manufacturing unit. The present invention also provides a soft soap composition comprising monoglyceride sulfonate and a fatty acid soap, which has superior molding and stamping workability, softness, smoothness, foamability, and moisturizing ability. The present invention also provides a method for preparing a salt-containing soft soap using the fatty acid used for preparation of the monoglyceride sulfonate, which contains a lot of salt, so that is softens skin, easily removes waste materials, prevents irritation, promotes blood circulation, and prevents depilation and dandruff.